SJSU | DEPARTMENT OF CHEMISTRY

CHEMISTRY Departmental Seminar

Fall 2017
CHEM 285 Schedule
Tuesdays at 4:30-5:45PM
Room Duncan Hall 250

November 14, 2017

Professor Ming C. Hammond
University of California, Berkeley

Lighting up the single-cell biology of chemical signals in bacteria

My research is focused on understanding how cells use chemical signals to make decisions. We study a class of chemical signals called cyclic dinucleotides, which are found in both bacteria and humans, and are one of the first researchers to develop a way to "watch" these signals in action in live cells. In this seminar, I will describe a cyclic dinucleotide that controls the formation of sticky biofilms by bacteria and show how chemical biology approaches to studying this signaling pathway have revealed a new way to combat antibiotic resistance.

For more information: Prof. Miller Conrad at laura.miller.conrad@sjsu.edu
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